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We claim:

1. An isolated polynucleotide which codes for the human GLP-2 receptor having the amino acid sequence of amino acids 67-553 of SEQ ID NO: 12.

5 2. The isolated polynucleotide according to claim 1, comprising nucleotides 318-1780 of SEQ ID NO: 11.

10 3. An isolated polynucleotide which codes for the rat GLP-2 receptor having the amino acid sequence of amino acid 67-550 of SEQ ID NO:2.

4. The isolated polynucleotide according to claim 3, having nucleotides 335-1789 of SEQ ID NO: 1.

15 5. An isolated polynucleotide which hybridizes under conditions of high stringency with a polynucleotide defined in claim 2 or claim 4.

20 6. An oligonucleotide comprising at least 15 nucleotides and having a polynucleotide sequence that hybridizes under conditions of high stringency to a polynucleotide according to any of claims 1-5.

25 7. An oligonucleotide according to claim 6, wherein the nucleotide sequence of the oligonucleotide corresponds identically with a region of the polynucleotide defined in claim 2 or claim 4.

8. An oligonucleotide according to claim 6, wherein the nucleotide sequence of the oligonucleotide corresponds identically with a region common to the polynucleotides defined in claim 2 and claim 4.

30 9. In labelled form, a polynucleotide selected from a polynucleotide as defined in any of claims 1-5, and an oligonucleotide as defined in any of claims 6-8.

10. A recombinant polynucleotide comprising a GLP-2 receptor-encoding polynucleotide as defined in any of claims 1-5, and expression controlling elements linked operably therewith to drive expression thereof.

5 11. A cell that has been genetically engineered by the incorporation expressibly therein of a polynucleotide according to any of claims 1-5.

12. The cell according to claim 10, which is a mammalian cell.

10 13. An antibody which selectively binds to a GLP-2 receptor coded for by the polynucleotide according to any of claims 1-5.

14. A recombinant GLP-2 receptor comprising amino acids 67-553 of SEQ ID NO:12.

15 15. A recombinant GLP-2 receptor comprising amino acids 67-550 of SEQ ID NO:2.

20 16. A method for identifying GLP-2 receptor ligands, which comprises the steps of:

- (1) incubating a candidate ligand with a cell as defined in claim 11 or with a membrane preparation obtained therefrom; and then
- (2) determining whether binding between the GLP 2 receptor and the candidate ligand has occurred.